

Message

---

**From:** Ng, Carla [carla.ng@pitt.edu]  
**Sent:** 2/15/2019 3:27:23 PM  
**To:** Post, Gloria [Gloria.Post@dep.nj.gov]; Cheng, Weixiao [cheng\_wx@pitt.edu]  
**CC:** Strynar, Mark [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5a9910d5b38e471497bd875fd329a20a-Strynar, Mark]; Lindstrom, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=04bf7cf26aa44ce29763fbc1c1b2338e-Lindstrom, Andrew]  
**Subject:** Re: Structure of additional PFAS of interest

Hi Gloria,

Absolutely (hi Andy and Mark!). I'll work with Cheng to figure out when we can get these next sets of results ready, and then we can schedule the next call.

Best,  
Carla

Carla A. Ng  
Assistant Professor, Civil & Environmental Engineering  
Secondary Appointment, Chemical & Petroleum Engineering  
203 Benedum Hall, University of Pittsburgh  
3700 O'Hara St, Pittsburgh, PA 15261  
(412) 383 - 4075  
[carla.ng@pitt.edu](mailto:carla.ng@pitt.edu)  
[www.pitt.edu/~carlang](http://www.pitt.edu/~carlang)

---

**From:** "Post, Gloria" <Gloria.Post@dep.nj.gov>  
**Date:** Friday, February 15, 2019 at 10:16 AM  
**To:** "Ng, Carla" <carla.ng@pitt.edu>, "Cheng, Weixiao" <cheng\_wx@pitt.edu>  
**Cc:** "Strynar, Mark (Strynar.Mark@epa.gov)" <Strynar.Mark@epa.gov>, "Lindstrom, Andrew (Lindstrom.Andrew@epa.gov)" <Lindstrom.Andrew@epa.gov>  
**Subject:** Structure of additional PFAS of interest

Carla,

Mark Strynar (copied here) sent me the structures of the PFAS that were found in the drinking water and blood serum of Wilmington, NC residents. As mentioned yesterday, GenX was also present in their drinking water but was not found in their blood serum.

Mark also explained that the structures of Solvay Product congeners are Markush structures, and it is not known which of the structure(s) is present in the Solvay Product. **MARK – Please feel free to explain this to Carla and me more clearly.**

Mark and I think it would be helpful if he, Andy Lindstrom (also copied here), and the other two EPA chemists who are working on both the NJ and NC projects participate in the next call with you about your protein binding modeling results for these chemicals. Is this okay with you?

Thanks again for your help!

Best regards,  
Gloria

---

**From:** Strynar, Mark <Strynar.Mark@epa.gov>  
**Sent:** Friday, February 15, 2019 9:53 AM  
**To:** Post, Gloria <Gloria.Post@dep.nj.gov>  
**Subject:** [EXTERNAL] RE: PFAS of interest

Gloria,

Here are the structures for Nafion BP2, PFO4DA, PFO5DoDA, and Hydro-EVE. Here are the corresponding hyperlinks (in blue) to them in the DSS TX Chemicals dashboard. I pasted these as images so they will not work. But if you here they are hyperlinked below

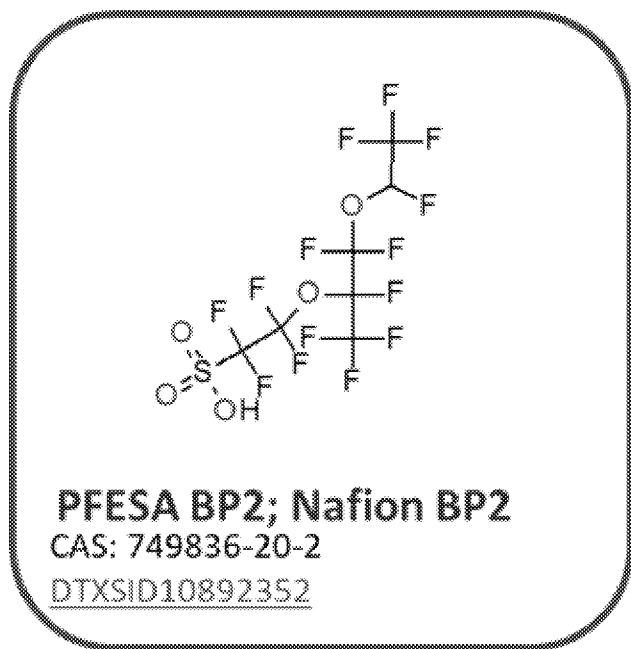
Nafion BP2 <https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID10892352>

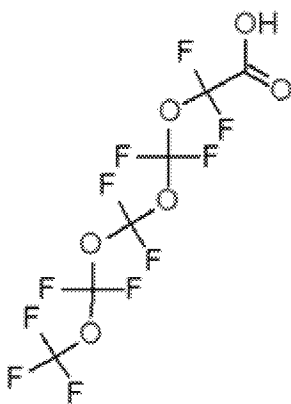
PFO4DA <https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID90723993>

PFO5DoDA <https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID50723994>

Hydro-EVE not in production database yet. See attached structure.

Mark

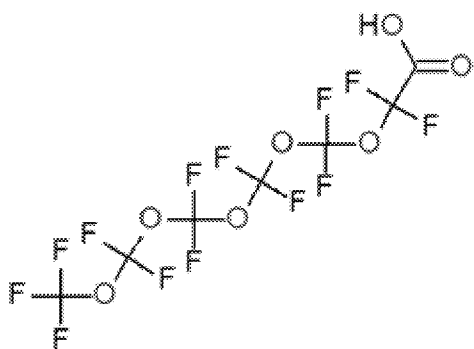




**PFO4DA**

CAS: 39492-90-5

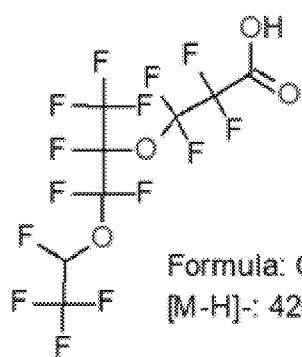
DTXSID90723993



**PFO5DoA**

CAS: 39492-91-6

DTXSID50723994



Formula: C<sub>8</sub>H<sub>2</sub>F<sub>14</sub>O<sub>4</sub>  
 [M-H]<sup>-</sup>: 426.9657

**Hydro EVE**

CAS:773804-62-9